



Rabbit Anti-phospho-EDG1 (Thr236) antibody

SL14504R

Product Name:	phospho-EDG1 (Thr236)
Chinese Name:	磷酸化EDG1抗体
Alias:	EDG1 (phospho T236); p-EDG1 (phospho T236); CD363; CHEDG 1; CHEDG1; D1S3362; ECGF 1; ECGF1; EDG 1; EDG1; endothelial differentiation G protein coupled receptor 1; Endothelial differentiation G-protein coupled receptor 1; Endothelial differentiation sphingolipid G protein coupled receptor 1; FLJ58121; G protein coupled sphingolipid receptor; g protein-coupled receptor edg-1; S1P receptor 1; S1P receptor Edg 1; S1P receptor Edg-1; S1P receptor Edg1; S1P(1) receptor; S1P1; s1pr1; S1PR1_HUMAN; sphingolipid g-protein-coupled receptor 1; Sphingosine 1 phosphate receptor Edg 1; Sphingosine 1 phosphate receptor EDG1; sphingosine 1-phosphate receptor 1; Sphingosine 1-phosphate receptor 1; Sphingosine 1-phosphate receptor Edg-1; Sphingosine 1phosphate receptor type 1 S1P1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	43kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human EDG1 around the phosphorylation site of Thr236:RL(p-T)FR
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

	antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>This gene encodes a protein that may regulate endothelial cell differentiation, lipid metabolism, and hormone-induced cardiomyocyte hypertrophy. The encoded protein has also been found to act as a transcriptional coactivator by interconnecting the general transcription factor TATA element-binding protein (TBP) and gene-specific activators. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]</p> <p>Function: Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. This inducible epithelial cell G-protein-coupled receptor may be involved in the processes that regulate the differentiation of endothelial cells. Seems to be coupled to the G(i) subclass of heteromeric G proteins.</p> <p>Subcellular Location: Cell membrane.</p> <p>Tissue Specificity: Endothelial cells, and to a lesser extent, in vascular smooth muscle cells, fibroblasts, melanocytes, and cells of epithelioid origin.</p> <p>Post-translational modifications: S1P-induced endothelial cell migration requires the PKB/AKT1-mediated phosphorylation of the third intracellular loop at the Thr-236 residue.</p> <p>Similarity: Belongs to the G-protein coupled receptor 1 family.</p> <p>SWISS: P21453</p> <p>Gene ID: 1901</p> <p>Database links:</p> <p>Entrez Gene: 1901 Human</p> <p>Entrez Gene: 13609 Mouse</p> <p>Entrez Gene: 29733 Rat</p> <p>Omim: 601974 Human</p> <p>SwissProt: P21453 Human</p>

[SwissProt: O08530](#) Mouse

[SwissProt: P48303](#) Rat

[Unigene: 154210](#) Human

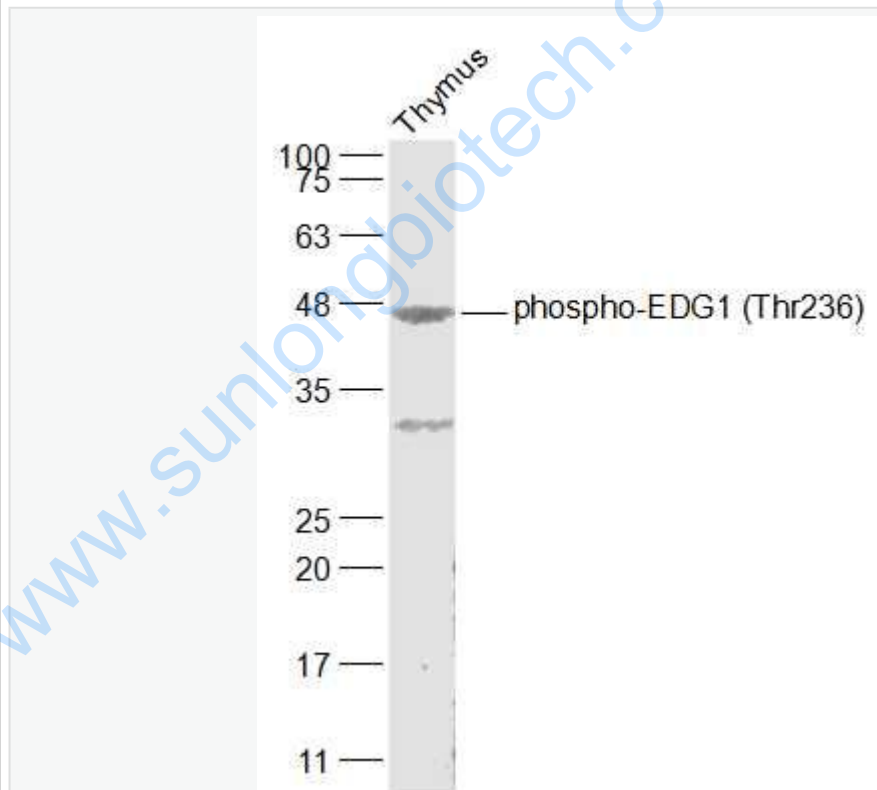
[Unigene: 982](#) Mouse

[Unigene: 109455](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Thymus (Mouse) Lysate at 40 ug

Primary: Anti-phospho-EDG1 (Thr236) (SL14504R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

	<p>Predicted band size: 43 kD</p>
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	<p>Observed band size: 43 kD</p>
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